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BIBLIOGRAPHY ON EXOTIC ANIMAL DISEASES

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(PAGE NOS. 65 - 84)

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE
VETERINARY SCIENCES RESEARCH DIVISION
PLUM ISLAND ANIMAL DISEASE LABORATORY
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1. ENTRIES ARE ARRANGED IN ALPHABETICAL ORDER BY DISEASE.
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3. MULTIPLE SUBJECT AREA, TWO OR MORE DISEASES COVERED IN ARTICLE.
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MULTIPLE SUBJECT AREA

AHL, R.

Temperature-dependent interferon-sensitivity of foot-and-mouth disease virus.

Foot-and-mouth disease; Fowl plague.

Arch. Gesamte Virusforsch. 32(2-3):163-170, 1970.

PIL

ANDREWES, Sir C.

Taxonomy and nomenclature of viruses of vertebrates.

Foot-and-mouth disease; African horse sickness;

Vesicular stomatitis virus; Vesicular exanthema;

African swine fever; Contagious ecthyma; Sheep pox.

In: Mod. Trends Med. Virol. 2:1-14, ed. by R.B. Heath, and A.P. Waterson. New York, Appleton-Century-Crofts, vii, 320 p., illus., 1970.

QR 360 M4

ATANG, P.G.

Contagious bovine pleuropneumonia in West and Central Africa.

Rinderpest; CBPP.

Pres. Organ. Afr. Unity. Sci. Tech. Res. Comm.

Jt. Campaign Against Rinderpest. Nairobi, Kenya.

2nd Tech. Rev. Meet., Phase IV, Proc., Parliam-

ment Build., Kampala, Repub. Uganda, p. 65-67,

1st and 2nd December, 1970.

Mimeogr. copy, 138 p., 1971(?).

#6487/8

BARBER, T.L., and FABRICANT, J.

Identification of Mycoplasmatales: procedures for both characterization and purification.

Contagious bovine pleuro.; Contagious caprine pleuro.; Contagious agalactia.

Appl. Microbiol. 21(4):594-599, 1971.

PIL &
#7305

BOYD, W.

The nervous system.

Louping ill; Scrapie.

In: Textb. Pathol.; Struct. Funct. in Dis., 8th ed., p. 1192-1295. Phila., Lea & Febiger, viii, 1464 p., illus., 1970.

RB 111 B65

MULTIPLE SUBJECT AREA

FETWICK, M.L.

Viruses and viral infection. 1. The nature of viruses and their growth.

Foot-and-mouth disease; Vesicular stomatitis virus.

In: Gen. Pathol., 4th ed., p. 898-913; 931, ed. by Sir Howard Walter Florey. Phila. Saunders, xv, 1259 p., illus., 1970.

RB 111 F67

GAIDAMOVICH, S. Ya., and others.*

Isolation and study of Sumakh virus, a member of the Uukuniemi group, in the U.S.S.R.

Venezuelan equine encephalomyelitis; Wesselsbron disease.

Acta Virol. 15(2):155-160, 1971.

*L.P. Nikiforov, V.L. Gromashevsky, V.R. Obukhova, G.A. Klisenko, V.I. Chervonsky, and E.E. Melnikova.

PIL

GLADSTONE, G.P.

Pathogenicity and virulence of micro-organisms.

I. The germ theory of disease and the relationship between host and parasite.

Scrapie; Visna.

In: Gen. Pathol., 4th ed., p. 823-834, ed. by Sir Howard Walter Florey. Phila., Saunders, xv, 1259 p., illus., 1970.

RB 111 F67

MACFARLANE, I.M.

The development of the Joint Campaign against Rinderpest in the Phase IV area and in the Empire of Ethiopia during the period 1st December, 1969, to 30th November, 1970.

Rinderpest; Contagious bovine pleuro.

Pres. Organ. Afr. Unity. Sci. Tech. Res. Comm.

Jt. Campaign Against Rinderpest. Nairobi, Kenya.

2nd Tech. Rev. Meet., Phase IV, Proc., Parliament Build., Kampala, Repub. Uganda, p. 11-19, 1st and 2nd December, 1970.

Mimeogr. copy, 138 p., 1971(?).

#6487/8

PILZ, H.

Tierärztekollektiv aus der Deutschen Demokratischen Republik in Tansania. Arbeit in einem veterinärmedizinischen Untersuchungszentrum.

Foot-and-mouth disease; Rinderpest;

East Coast fever.

Monatsh. Veterinärmed. 26(7):265-269, 1971.

PIL

SHARMA, S.N., and DHANDA, M.R.

Studies on sheep-and goat-pox viruses—immunization trials.

Sheep pox; Goat pox.

Indian J. Anim. Sci. 40(6):626-639, 1970.

PIL

MULTIPLE SUBJECT AREA

SMID, B., VALICEK, L., and PLEVA, V.

Bovine herpes mammillitis (BHM) virus: electron microscopy of the virus in tissue culture of primary bovine kidney cells.

Bovine mammillitis; Lumpy skin disease.

Zentralbl. Veterinärmed., Reihe B 18(1):1-8, 1971.

PIL

WILSON, A.S.B.

Projected livestock survey in Africa.

Rinderpest; Contagious bovine pleuro.

Pres. Organ. Afr. Unity. Sci. Tech. Res. Comm.

Jt. Campaign Against Rinderpest. Nairobi, Kenya.

2nd Tech. Rev. Meet., Phase IV, Proc., Parliament Build., Kampala, Repub. Uganda, p. 128-138, 1st and 2nd December, 1970.

Mimeogr. copy, 138 p., 1971(?).

#6487/8

WORLD FARMING.

Diseases that are called epizootic (rhymes with catastrophic).

Foot-and-mouth disease; Rinderpest; East

Coast fever; African swine fever; Contagious bovine pleuro.

World Farming 13(4):18-19;22;24-27;37, 1971.

#8540

AFRICAN SWINE FEVER

ALMEIDA, J.D., and WATERSON, A.P.

Some implications of a morphologically oriented classification of viruses.

Arch. Gesamte Virusforsch. 32(1):66-72, 1970.

PIL

GARCIA PINTADO, A.

Servicio de patologia (P.B.A.): cuartel general contra el mal y sus invasiones. 7. Espana esta expuesta a enfermedades exoticas de gran potencial agresivo. Casi dos mil millones de pesetas se perdieron en diez anos de peste porcina africana.

Trib. Vet. (Madrid) 2(29):16-17, 1971.

#6222/7

LECLERC, J.J.

Les cultures de leucocytes de porc. Application du diagnostic de la peste porcine africaine.

--These, Dr. Vet., Alfort, 85 p., 1970.

These no. 144.

Cited in: Inst. Fr. Fievre Aphteuse "Ref.

Bibliogr.", S4 0207, February 1971.

MARCOS AGUIAR, C., and PRAT FRIGOLA, J.M.

Peste porcina africana. Epizootologia y la lucha contra esta enfermedad en Espana.

Trib. Vet. (Madrid) 2(27):3-4, 1971.

#6222/6

AFRICAN SWINE FEVER

MOURA NUNES, J.F., VIGARIO, J.D., and TERRINHA, A.M.

Ultrastructural study of African swine fever virus (ASFV) development in swine bone marrow cultures.

In: Int. Congr. Electron Microsc., 7th, Grenoble, 1970, v. 3, p. 297-298, ed. by Pierre Favard. Paris, Soc. Fr. Microsc. Electron., xliii, 967 p., illus., 1970.

QH 205 I4

BORNA DISEASE

WAGNER, D.

Untersuchungen über die Verbreitung der Bornaschen Krankheit in Bayern und über das Vorkommen von Antikörpern im Serum von Pferden, Rindern, Schafen und Schweinen in Bornagebieten.

(Distribution of Borna disease in Bavaria and the occurrence of serum antibodies in horses, cattle, sheep and pigs.)

Inaug. Diss., Tierärztl. Fak., München, 38 p., 1970 (Ger. e.).

Index Vet. 38(3):231, 1970, publ. 1971.

PIL

BOVINE MAMMILLITIS

JOHNSTON, W.S., WRAY, C., and SCOTT, J.A.

An outbreak of bovine herpes mammillitis in a suckler herd.

Vet. Rec. 88(14):372, 1971.

PIL

CONTAGIOUS AGALACTIA OF SHEEP AND GOATS

BETETA ORTIZ, M.

Agalaxia contagiosa en las ovejas y cabras.

(Contagious agalactia in sheep and goats.)

Trib. Vet. (Madrid) 2(27):9, 1971.

#8542/1

FRASER, K.B., and others.*

Mycoplasmas in cell cultures from rheumatoid synovial membranes.

J. Hyg. (Camb.) 69(1):17-25, 1971.

*P.V. Shirodaria, M. Haire, and D. Middleton.

PIL

CONTAGIOUS BOVINE PLEUROPNEUMONIA

LINDLEY, E.P.

Experiences with a lyophilised contagious bovine pleuropneumonia vaccine in the Ivory Coast.

Trop. Anim. Health Prod. 3(1):32-42, 1971.

PIL

SHIFRINE, M., STONE, S.S., and STAAK, C.

Contagious bovine pleuropneumonia in African buffalo (Syncerus caffer).

Bull. Epizoot. Dis. Afr. 18(3):201-205, 1970.

PIL/A &
#

CONTAGIOUS BOVINE PLEUROPNEUMONIA

SMITH, G.R.

Mycoplasma mycoides var. mycoides: immunity
and mouse-protective antibody.

J. Comp. Pathol. 81(2):267-278, 1971.

PIL

USKAVITCH, R., comp.

Contagious bovine pleuropneumonia and Mycoplasma
mycoides var. mycoides; a bibliography,
Supplement No. 1, May 1970 - April 1971 (with
additional entries 1852-1968). Greenport, L.I.,
N.Y., U.S. Dep. Agric., Agric. Res. Serv., Vet.
Sci. Res. Div., Plum Island Anim. Dis. Lab.,
10 p., 1971.

#8053

CONTAGIOUS ECTHYMA OF SHEEP

ANDERSON, N., and DOANE, F.W.

Electron microscopy in diagnostic virology.

In: Int. Congr. Electron Microsc., 7th, Grenoble,
1970, v. 3, p. 303-304, ed. by Pierre Favard.
Paris, Soc. Fr. Microsc. Electron., xliii,
967 p., illus., 1970.

QH 205 I4

GARDNER, P.S.

Rapid diagnostic techniques in clinical virology.

In: Mod. Trends Med. Virol. 2:15-50, ed. by R.B.
Heath, and A.P. Waterson. New York, Appleton-
Century-Crofts, vii, 320 p., illus., 1970.

QR 360 M4

JHALA, V.M.

A note on outbreak of contagious ecthyma in goats.

Gujvet, Anand 4:37-38, 1970.

Index Vet. 38(3):107, 1970, publ., 1971.

PIL

MALLOT, H.A.P.

Ecthyma contagieux acquisitions experimentales
recentes.

--These, Dr. Vet., Alfort, 60 p., 1970.

These no. 146.

Cited in: Inst. Fr. Fievre Aphteuse "Ref.

Bibliogr.", S4 0205, February 1971.

DUCK PLAGUE

LEIBOVITZ, L.

Duck plague.

In: Infect. Parasit. Dis. Wild Birds, p. 22-33,
ed. by John W. Davis, and others. Ames,
Iowa, Iowa State Univ. Press, ix, 344 p.,
illus., 1971.

SF 995 IN54

LEIBOVITZ, L., and HWANG, J.

The histopathology of duck plague (duck virus
enteritis) in White Pekin ducklings.
Int. Congr. W.V.P.A., 4th, Beograd,
September 15-17, 1969, p. 44-54.Cited in: Inst. Fr. Fievre Aphteuse "Ref.
Bibliogr.", S4 0087, January 1971.

DUCK PLAGUE

SKALINSKII, E.I., and BORISOVICH, Yu. F.

Biological properties and ultrastructure of the
vaccine strain of duck plague virus.

Tr. Nauchno-Kontrol. Inst. Vet. Prep.

16:23-28, 1969 (Russ.).

Index Vet. 38(3):201, 1970, publ. 1971.

PIL

EAST COAST FEVER

JONES, T.O.

Treatment of East Coast fever.

Vet. Rec. 88(12):316, 1971.

PIL

PRASAD, M.C., ANSARI, S.A., and KUPPUSWAMY, P.B.

Pathology of bovine theileriasis.

Indian J. Anim. Sci. 40(6):622-625, 1970.

PIL

PURNELL, R.E., and others.*

Theileria parva: quantitation of the parasite
in the tick Rhipicephalus appendiculatus.

J. Parasitol. 56(4, Sect. II, Part 1):275(505),
1970.

*D.E. Backhurst, K.P. Bailey, C.D.H. Boarer,

D. Branagan, M.P. Cunningham, L.P. Joyner,

M.A. Peirce, D.E. Radley, and B. Wood.

SF 810 A3A I61p

EPHEMERAL FEVER

KANNO, Y., MATUURA, M., and FUKANO, T.

Studies on the symptoms and the therapeutic
effect of antipyretics on epizootic
fever of cattle.

Bull. Azabu Vet. Coll. 20:107-126, 1969(Jap.e.).

Index Vet. 38(3):110, 1970, publ. 1971.

PIL

RICHARDS, D.J.

Ephemeral fever of cattle.

Pastoral Rev. 81:397, 1970.

Index Vet. 38(3):183, 1970, publ. 1971.

PIL

FOOT-AND-MOUTH DISEASE

ANTONYUK, V.P.

Preparation of diagnostic foot and mouth disease
serum in guinea-pigs, using a microbial
adjuvant.

Tr. Nauchno-Kontrol. Inst. Vet. Prep.

16:107-111, 1969 (Russ.).

Index Vet. 38(3):11, 1970, publ. 1971.

PIL

ANTONYUK, V.P., and others.*

Results of serological identification of epizootic
strains of foot and mouth disease.

Tr. Nauchno-Kontrol. Inst. Vet. Prep.

16:95-98, 1969 (Russ.).

Index Vet. 38(3):11, 1970, publ. 1971.

*

PIL

FOOT-AND-MOUTH DISEASE

ARKHIPOV, V.V., LUR'E, L.S., and PROKOF'EV, N.S.

Use of gamma rays to inactivate foot and mouth disease virus (a review).

Tr. Nauchno-Kontrol. Inst. Vet. Prep.

16:261-265, 1969 (Russ.).

Index Vet. 38(3):12, 1970, publ. 1971.

PIL

ASCIONE, R., BACHRACH, H.L., and VANDE WOUDE, G.F.

Initiation of animal cell-free protein synthesis by ribosomal factors and foot-and-mouth disease virus (FMDV) RNA.

Fed. Proc. 30(3, Part 2):1289Abs(1375), 1971.

PIL/A

BEKKUM, J.G. van, and BARTELING, S.J.

Plaque production by hog cholera virus.

Arch. Gesamte Virusforsch. 32(2-3):185-200, 1970.

PIL

BUSYGIN, K.F., and NURIEV, G.G.

Comparative study of the effect of some non-specific stimulants on the development of precipitating antibodies to foot and mouth disease in the blood proteins (of rabbits).

Uch. Zap. Kazan. Vet. Inst. 102:147-150,

1969 (Russ.).

Index Vet. 38(3):34, 1970, publ. 1971.

PIL

DELAGNEAU, J.-F.

Effects of temperature on viral RNA synthesis and RNA polymerase activity in a foot-and-mouth disease virus system.

Arch. Gesamte Virusforsch. 32(4):318-328, 1970.

PIL

DERBYSHIRE, J.B., and ARKELL, S.

The activity of some chemical disinfectants against Talfan virus and porcine adenovirus type 2.

Br. Vet. J. 127(3):137-142, 1971.

PIL

ERCEGOVAC, D., and POPOVIC, S.

A field evaluation of the role of game animals in the epidemiology of foot and mouth disease.

Vet. Glas. 24:459-463, 1970 (Cr.e.r.).

Index Vet. 38(3):65, 1970, publ. 1971.

PIL

FARMERS WEEKLY.

Virus in the wind.

Farmers Wkly., December 26, 1970.

Vet. Rec. 88(1):22, 1971.

PIL

GAREISHINA, A.Z.

Indications of the presence of foot and mouth disease virus in the organs of experimentally infected guinea pigs.

Uch. Zap. Kazan. Vet. Inst. 102:95-98, 1969 (Russ.).

Index Vet. 38(3):80, 1970, publ. 1971.

PIL

FOOT-AND-MOUTH DISEASE

GAREISHINA, A.Z.

Producing foot and mouth disease antiserum
from guinea pigs and rabbits by immunising
them with tissue culture virus.

Uch. Zap. Kazan. Vet. Inst. 102:88-90,
1969 (Russ.).

Index Vet. 38(3):80, 1970, publ. 1971.

PIL

GLADSTONE, G.P.

Pathogenicity and virulence of micro-organisms.

II. Communicability.

In: Gen. Pathol., 4th ed., p. 835-859, ed. by
Sir Howard Walter Florey. Phila., Saunders,
xv, 1259 p., illus., 1970.

RB 111 F67

GORSKII, B.V.

Dynamics of the penetration of foot and mouth
disease virus into pig embryo kidney cells
in tissue culture.

Uch. Zap. Kazan. Vet. Inst. 102:131-137,
1969 (Russ.).

Index Vet. 38(3):86, 1970, publ. 1971.

PIL

GOSMANOV, R.G.

Hyperimmunisation of laboratory animals by
purified foot and mouth disease virus.

Uch. Zap. Kazan. Vet. Inst. 102:84-87,
1969 (Russ.).

Index Vet. 38(3):86, 1970, publ. 1971.

PIL

GOSMANOV, R.G.

Infectivity of purified and concentrated foot
and mouth disease virus.

Uch. Zap. Kazan. Vet. Inst. 102:108-111,
1969 (Russ.).

Index Vet. 38(3):86, 1970, publ. 1971.

PIL

GREAT BRITAIN.

Foot-and-mouth virus.

["F.M.D. in man is a great rarity, but those
who work with this virus in the laboratory
almost invariably pick it up in their noses."]

Lancet I(7707):1003, 1971.

PIL

GREMMEL, J.

Einfluss der Maul- und KlauenseucheSchutzimpfung
auf die Milchsekretion und das Allgemeinbe-
finden der Milchtier unter Berücksichtigung
von Jahreszeit, Milchleistung und Impfstoff.
(Vaccination against foot and mouth disease:
effect on milk yield and health of cows.)

Inaug. Diss. Tierärztl. Hochschule, Hannover,
66 p., 1969 (Ger.).

Index Vet. 38(3):87, 1970, publ. 1971.

PIL

FOOT-AND-MOUTH DISEASE

KARPOVICH, M.B.

Stability of the type of characteristics of
some strains of foot and mouth disease
virus.

Tr. Nauchno-Kontrol. Inst. Vet. Prep.
16:84-87, 1969 (Russ.).

Index Vet. 38(3):110, 1970, publ. 1971.

PIL

KOCH, Charles R.

Here comes new bull power.

/"The first frozen semen flown direct from
Europe is right now being tested at the Plum
Island lab. ..." /

Top Op. 3(5):22-24, 1971.

#8311

LABECKA, W., and others.*

Attempts of swine immunization against foot
and mouth disease.

Bull. Vet. Inst. Pulawy 13(3-4):57-61, 1969.

Cited in: Inst. Fr. Fievre Aphteuse "Ref.

Bibliogr.", S4 0120, January 1971.

*T. Kobusiewicz, S. Szkilnik, J. Wisniewski, and
C.Z. Baranowski.

LIEBERMANN, Ht., and SCHULZE, P.

Struktur des Maul-und-Klauenseuche-Virus.

1. Mitteilung: Zum Aufbau der Proteinhülle.
(Structure of foot and mouth disease virus.

1. The protein capsid.)

English summary, p. 183.

Arch. Exp. Veterinärmed. 25(1):171-183, 1971.

PIL

LORENZ, R.J., and STRAUB, O.C.

Statistische Erhebungen über Impfschäden nach
der Maul- und Klauenseuche-Schutzimpfung im
Jahr 1968/69. (Statistical evaluation of
allergic reactions following vaccinations
against foot-and-mouth-disease in 1968/69.)

English abstract, p. 448.

Zentralbl. Bakteriол., Parasitenkd., Infektionskr.

Hyg. I. Abt. Orig. 216(4):448-465, 1971.

PIL

LÜBKE, A.

Resistenzänderung von Mäusen gegenüber einer
Virusinfektion (Maul- und Klauenseuche (MKS)-
Virus) durch Vorbehandlung mit Urethan.

/"Change in the resistance of mice to virus
infection (foot-and-mouth-disease-virus) after
pretreatment with urethan." /

English abstract, p. 441.

Zentralbl. Bakteriол., Parasitenkd., Infektionskr.

Hyg. I. Abt. Orig. 216(4):441-447, 1971.

PIL

FOOT-AND-MOUTH DISEASE

MAKAROV, G.A., and NICHIPORUK, V.S.

Haematological changes in guinea-pigs after inoculation of modified foot and mouth disease virus, and in cattle after inoculation of dried virus vaccine.

Tr. Nauchno-Kontrol. Inst. Vet. Prep. 16:77-83, 1969 (Russ.).

Index Vet. 38(3):130, 1970, publ. 1971.

PIL

O'SULLIVAN, K.

The organisation of a Farmers' "do-it-yourself" Bovine Insemination Service.

Vet. Rec. 88(7):190-193, 1971.

PIL

POMMER, N.R., and others.*

Identification of epizootic foot and mouth disease viruses: the low-temperature complement fixation test.

Tr. Nauchno-Kontrol. Inst. Vet. Prep. 16:99-102, 1969 (Russ.).

Index Vet. 38(3):171, 1970, publ. 1971.

*V.P. Antonyuk, B.A. Kruglikov, and I.A. Rostovtseva.

PIL

RAVILOV, A.Z.

Investigation of the virulence and complement-fixing capacity of foot and mouth disease virus and of the dynamics of the complement-fixing antibodies in serum of white rats after injection of foot and mouth disease antigens.

Uch. Zap. Kazan. Vet. Inst. 102:67-74, 1969 (Russ.).

Index Vet. 38(3):179, 1970, publ. 1971.

PIL

ROHLF, J.A.

How the "exotics" are shaking up the beef business.

Farm J. 94(11):20-23, 1970.

CIRC.FILE

SALAZHOV, E.L., and others.*

Zabolevaniya cheloveka yashchuram.

(Foot-and-mouth disease in man.)

Zh. Mikrobiol. Epidemiol. Immunobiol.

47(6):87-90, 1970 (Russ.).

English summary.

Biol. Abstr. 52(9):5053(49949), 1971.

*E.V. Kostmerin, G.A. Mustafaev, and L.A. Lebedenko.

PIL

SALAZHOV, Yu. B., and IVANOV, V.I.

Komponent virusa yashchura otvetstvennyi za immunogennost'. (A component of foot and mouth disease virus responsible for immunogenicity.)

Veterinariya (Mosc.) 47(9):38-40, 1970 (Russ.).

Foot and Mouth Dis. Bull. (Wellcome Res. Labs.,

Kent) 10(4):72, 1971.

SF 793 W4

FOOT-AND-MOUTH DISEASE

SIMMS, M.J., comp.

The vaccination of pigs against foot and mouth disease; a review and bibliography, February 1971. Beckenham, Kent, Wellcome Research Laboratories, 20 p., 1971.

Foot and Mouth Dis. Bull., Suppl. No. 5.

#8288/D

TAN, R.J.S., and MILES, J.A.R.

Further studies on feline respiratory virus diseases. 2. Immunodiffusion tests.

N. Z. Vet. J. 19(1/2):15-18, 1971.

PIL

TITOVA, G.S.

Dynamics of the changes in succinic dehydrogenase activity in the mitochondria of the renal pelvic epithelium (of guinea pigs) in foot and mouth disease.

Uch. Zap. Kazan. Vet. Inst. 102:143-146, 1969 (Russ.).

Index Vet. 38(3):221, 1970, publ. 1971.

PIL

TROST, R.

Einfluss der Maul- und KlauenseucheSchutzimpfung auf die Milchsekretion und das Allgemeinbefinden der Milchtiere. (Vaccination against foot and mouth disease: effect on milk yield and health of cows.)

Inaug. Diss. Tierärztl. Hochschule, Hannover, 61 p., 1969 (Ger.).

Index Vet. 38(3):224, 1970, publ. 1971.

PIL

TRYAPKIN, B.M.

Cytopathic effect of foot and mouth disease virus in tissue samples of primary aphthae (of guinea pigs).

Uch. Zap. Kazan. Vet. Inst. 102:121-126, 1969 (Russ.).

Index Vet. 38(3):224, 1970, publ. 1971.

PIL

U.S. DEPARTMENT OF AGRICULTURE. AGRICULTURAL RESEARCH SERVICE. ANIMAL HEALTH DIVISION.

Foot-and-mouth disease; a menace to North American livestock. Hyattsville, Md., 10 p., 1969, (USDA - ARS 91-58-1).

GOV.PUBL.DRWR.

UZYUMOV, V.L.

Stroenie i svoistva virusa yashchura.

(Structure and properties of foot and mouth disease virus.)

Veterinariya (Mosc.) 47(9):36-38, 1970 (Russ.).

Foot and Mouth Dis. Bull. (Wellcome Res. Labs., Kent) 10(4):72, 1971.

SF 793 W4

FOOT-AND-MOUTH DISEASE

WAGNER, O., and others.*

Purification of foot-and-mouth disease virus solutions.

Ger. Offen. 1,935,291 (Cl. A 61k), 14 Jan 1971,

Appl. 11 July 1969; 7 p.

Chem. Abstr. 74(20):200(103025u), 1971.

*H. Geilhausen, H. Bahnemann, and O.E. Schweckendiek.

PIL

WATKINS, J.F.

Viruses and viral infection. 2. Fundamental mechanisms in virus disease.

In: Gen. Pathol., 4th ed., p. 913-931, ed. by Sir Howard Walter Florey. Phila., Saunders, xv, 1259 p., illus., 1970.

RB 111 F67

WISNIEWSKI, J., JANKOWSKA, J., and BARANOWSKI, C.

Determination of the resistance of cattle on the basis of neutralizing antibody levels 12 months after revaccination with a trivalent vaccine against foot and mouth disease.

Med. Weter. 26:151-153, 1970 (Pol.e.r.).

Index Vet. 38(3):235, 1970, publ. 1971.

PIL

WITTMANN, G., BAUER, K., and MUSSGAY, M.

Versuche zur Schutzimpfung von 6 bis 8 Wochen alten Ferkeln mit Athyläthylenimin (EEI)/ Diäthylaminoäthyl-Dextran (DEAE-D)-Vakzinen gegen Maul- und Klauenseuche vom Virustyp O₁.
[Studies on protective inoculation of 6-to-8-week-old piglets with ethylethylenimine (EEI)/ diethylaminoethyl dextran (DEAE-D) vaccines against foot-and-mouth disease caused by virus type O₁.]

English summary, p. 145.

Zentralbl. Veterinärmed., Reihe B 18(2):135-146, 1971.

PIL

ZAUZOLKOVA, I.V.

Changes in succinic dehydrogenase activity in the heart muscle (of guinea pigs) in foot and mouth disease.

Uch. Zap. Kazan. Vet. Inst. 102:75-79, 1969 (Russ.).

Index Vet. 38(3):238, 1970, publ. 1971.

PIL

ZAUZOLKOVA, I.V.

Dynamics of the changes in the lysosomes and their phosphatase activity in the myocardium in foot and mouth disease.

Uch. Zap. Kazan. Vet. Inst. 102:127-130, 1969 (Russ.).

Index Vet. 38(3):238, 1970, publ. 1971.

PIL

ZHIDKOVA, L.A.

Immunological properties of modified strain A22 foot and mouth disease virus.

Tr. Nauchno-Kontrol. Inst. Vet. Prep. 16:88-94, 1969 (Russ.).

Index Vet. 38(3):239, 1970, publ. 1971.

PIL

FOOT-AND-MOUTH DISEASE

ZWETKOV, P.

Versuche zur Züchtung des Maul-und-Klauenseuche-Virus Typ A5 in Schüttelsuspensionskulturen und in Kombination mit Einschichtzellkulturen in Rouxflaschen. (Propagation of foot and mouth disease virus type A5 in shaker flask cell suspensions in combination with monolayer cultures in Roux flasks.)

English summary, p. 136.

Arch. Exp. Veterinärmed. 25(1):133-137, 1971.

PIL

FOWL PLAGUE

LANG, G., NARAYAN, O., and ROUSE, B.T.

Prevention of malignant avian influenza by l-adamantanamine hydrochloride.

Arch. Gesamte Virusforsch. 32(2-3):171-184, 1970.

PIL

MIKHAIL, G.I.

Immunization trials with a pigeon embryo adapted pea-fowl strain of fowl plague virus.

Tech. Bull. Vet. Lab. Res. Dep. No. 5.

Dohhi, Cairo, Minist. Agric., 30 p., 1969.

Index Vet. 38(3):106, 1970, publ. 1971.

PIL

LOUPING ILL

REID, H.W., and DOHERTY, P.C.

Experimental louping-ill in sheep and lambs.

I. Viraemia and the antibody response.

J. Comp. Pathol. 81(2):291-298, 1971.

PIL

NAIROBI SHEEP DISEASE

WALKER, A.R., and DAVIES, F.G.

A preliminary survey of the epidemiology of bluetongue in Kenya.

J. Hyg. (Camb.) 69(1):47-60, 1971.

PIL

RIFT VALLEY FEVER

KLEIN, F., and others.*

Ultrafiltration as a method for concentrating Rift Valley fever virus grown in tissue culture.

Appl. Microbiol. 21(4):758-760, 1971.

*B.G. Mahlandt, H.B. Bonner, and R.E. Lincoln.

PIL

RINDERPEST

BAGDADY, M., and others.*

Die Rinderpest im Nahen Osten 1970. Einige informative Bemerkungen über das Auftreten der Rinderpest in der Syrischen Arabischen Republik. (Cattle plague in the Middle East 1970. Some information on the incidence of cattle plague in the Syrian Arab Republic.)

Monatsh. Veterinärmed. 26(7):269-272, 1971.

*M. Manzelg, G. Ilchmann, and A. Liebisch.

PIL

RINDERPEST

DAHAB, A.M.

Immunity testing - a progress report.

Pres. Organ. Afr. Unity. Sci. Tech. Res. Comm.

Jt. Campaign Against Rinderpest. Nairobi, Kenya.

2nd Tech. Rev. Meet., Phase IV, Proc., Parlia-

ment Build., Kampala, Repub. Uganda, p. 50-52,

1st and 2nd December, 1970.

Mimeogr. copy, 138 p., 1971(?).

#6487/8

DIVLJANOVIC, D., and GANCIC, M.

Rinderpest north of the Save and Danube rivers
in the first half of the 19th century.Wien. Tierärztl. Monatsschr. 57:210-213,
1970 (Ger.e.).

Index Vet. 38(3):56, 1970, publ. 1971.

PIL

DOANE, F.W., and McLEAN, A.M.

Comparative studies on the morphogenesis of
bovine parainfluenza 3 virus and other
measles-like paramyxoviruses.In: Int. Congr. Electron Microsc., 7th, Grenoble,
1970, v. 3, p. 315-316, ed. by Pierre Favard.
Paris, Soc. Fr. Microsc. Electron., xliii,
967 p., illus., 1970.

QH 205 I4

DUKA, N.

Eradication of rinderpest from Bratislava in 1801.

Veterinarstvi 20:328-329, 1970 (Slk.).

Index Vet. 38(3):58, 1970, publ. 1971.

PIL

FAO.

Rinderpest in the Near East. (Rinderpest im
Nahen Osten.)

FAO-Release, Press 70/138, AN/6.

Berl. Münch. Tierärztl. Wochenschr. 84(7):135-136, 1971.

PIL

FLAMARENS, R.

Sur la vaccination du chien contre la maladie
de carre par le vaccin anti-morbilleux.

--These, Dr. Vet., Alfort, 86 p., 1970;

These no. 149.

Cited in: Inst. Fr. Fievre Aphteuse "Ref.

Bibliogr.", S4 0202, February 1971.

TAYLOR, W.P., and PERRY, C.T.

A plaque assay system for rinderpest virus and
its use in characterising virus adsorption.

Arch. Gesamte Virusforsch. 32(2-3):269-282, 1970.

PIL

USHIZIMA, T., and MOTOHASHI, T.

Application of the fluorescent antibody
techniques. 9. Rinderpest virus.

In: Fluorescent Antibody Tech. and their

Appl., Chapter VI:120-121, ed. by

Akiyoshi Kawamura, Jr. Baltimore, Md.,

Univ. Park Press, xiii, 203 p., illus., 1969. QD 117.F54 K39

SCRAPIE

BOYD, W.

Viral and rickettsial infections.

In: Textb. Pathol.; Struct. Funct. in Dis.,
8th ed., p. 372-399. Phila., Lea & Febiger,
viii, 1464 p., illus., 1970.

RB 111 B65

HANSON, R.P., and others.*

Susceptibility of mink to sheep scrapie.

Science (Wash.) 172(3985):859-861, 1971.

*R.J. Eckroade, R.F. Marsh, G.M. Zu Rhein,
C.L. Kanitz, and D.P. Gustafson.

PIL

JASMIN, C.

Scrapie of sheep: does it create new biological
concepts?

Rev. Fr. Etud. Clin. Biol. 14:741-743, 1969.

Index Vet. 38(3):107, 1970, publ. 1971.

PIL

MILLSON, G.C., HUNTER, G.D., and KIMBERLIN, R.H.

An experimental examination of the scrapie agent
in cell membrane mixtures. II. The association
of scrapie activity with membrane fractions.

J. Comp. Pathol. 81(2):255-265, 1971.

PIL

SHEEP POX

BWANGAMOI, O., and DeMARTINI, J.

A survey of skin diseases of domestic animals and
defects which down-grade hides and skins in
East Africa. III. Sheep.

Bull. Epizoot. Dis. Afr. 18(3):243-246, 1970.

PIL

TESCHEN DISEASE

BACHMANN, P.A.

Properties of a bovine parvovirus.

(Brief report)

Zentralbl. Veterinärmed., Reihe B 18(1):80-84, 1971.

PIL

NOLEWAJKA, E., and others.*

Attempts at photodynamic inactivation of an
attenuated strain of Teschen disease virus.

Med. Weter. 26:72-75, 1970 (Pol.e.r.).

Index Vet. 38(3):154, 1970, publ. 1971.

*Z. Kapp, J. Szurman, and J. Szaflarski.

PIL

PRIBOTH, W., and SEFFNER, W.

Talfan disease, a disease important in the
differential diagnosis of Teschen disease.

Wiss. Z. Karl-Marx-Univ. Leipz. 18:483-488,
1969 (Ger.).

Index Vet. 38(3):173, 1970, publ. 1971.

PIL

VENEZUELAN EQUINE ENCEPHALOMYELITIS

BYKOVSKY, A.F., and others.*

Anatomy of Venezuelan equine encephalomyelitis virus.

Vopr. Virusol. (Probl. Virol.) 16(2):196- ,
1971 (Russ.).

Curr. Contents-Life Sci. 14(20):41, 1971.

*V.M. Zhdanov, L.V. Uryvaev, and F.I. Ershov.

PIL

DAVIS, G.W., and others.*

Effect of relative humidity on dynamic aerosols
of adenovirus 12.

Appl. Microbiol. 21(4):676-679, 1971.

*R.A. Griesemer, J.A. Shaddock, and R.L. Farrell.

PIL

ERSHOV, F.I., URYVAEV, L.V., and ZHDANOV, V.M.

Sintez infektsionnogo ribonukleoproteida
arbovirusa na subkletochnykh strukturakh.
(Synthesis of infectious ribonucleoprotein
of arbovirus in subcellular structures.)
English summary.

Vopr. Virusol. (Probl. Virol.) 15(3):322-330, 1970(Russ.).

Biol. Abstr. 52(9):5296(52482), 1971.

PIL

ERSHOV, F.I., URYVAEV, L.V., and ZHDANOV, V.M.

Sintez RNK i belkov arbovirusa na subkletochnykh
strukturakh. (Synthesis of arbovirus RNA and
proteins on subcellular structures.)

Dokl. Akad. Nauk SSSR 190(2):458-460, 1970 (Russ.).

Biol. Abstr. 52(9):5295(52474), 1971.

PIL

GAIDAMOVICH, S.Y., and others.*

Pretsipitiruyushchii antigen v krovi myshei,
zarazhennykh arbovirusami. (Precipitating
antigen in the blood of mice infected with
arboviruses.)

English summary.

Vopr. Virusol. (Probl. Virol.) 15(3):
337-341, 1970 (Russ.).

Biol. Abstr. 52(9):5046-5047(49883), 1971.

*N.A. Krechetova, A.I. L'vova, and E.E. Mel'nikova.

PIL

GALINDO, P., and GRAYSON, M.A.

Culex (Melanoconion) aikenii: natural vector in
Panama of endemic Venezuelan encephalitis.

Science (Wash.) 172(3983):594-595, 1971.

PIL

GUSHCHIN, B.V., and others.*

Size of virions as a genetic marker of Venezuelan
equine encephalomyelitis virus.

Vopr. Virusol. (Probl. Virol.) 16(2):
159- , 1971 (Russ.).

Curr. Contents-Life Sci. 14(20):41, 1971.

*Ya. Ya. Tsilinsky, S.M. Klimenko, and D.K. Lvov.

PIL

VENEZUELAN EQUINE ENCEPHALOMYELITIS

NOVOKHATSKY, A.S., and ERSHOV, F.I.

Thermoinactivation of viruses. Communication IV.
Factors determining the dynamics and rate of
inactivation of Venezuelan equine encephalo-
myelitis virus (VEE).

Vopr. Virusol. (Probl. Virol.) 16(2):
143- , 1971 (Russ.).

Curr. Contents-Life Sci. 14(20):41, 1971.

PIL

QUIROZ VEGA, C.A.

History of equine encephalomyelitis in Venezuela.

Rev. Venez. Sanid. Asist. Soc. 31(No. 3,
Suppl.):829-841, 1966 (Span.).

Index Vet. 38(3):175, 1970, publ. 1971.

PIL

REITMAN, M., and TONIK, E.J.

Immunity to aerosol challenge in guinea pigs
immunized with gamma-irradiated Venezuelan
equine encephalitis vaccines.

Appl. Microbiol. 21(4):688-692, 1971.

PIL

STINSKI, M.F., and GRUBER, J.

Distribution of arbovirus antigens in density
gradients.

Proc. Soc. Exp. Biol. Med. 136(4):1340-1346, 1971.

PIL

URYVAEV, L.V., and others.*

Sedimentatsionnaya kharakteristika virusa

Venesuel'skogo entsefalomielita loshadei.

(Sedimentation characteristics of Venezuelan
equine encephalomyelitis virus.)

English summary.

Vopr. Virusol. (Probl. Virol.) 15(3):330-336,
1970 (Russ.).

Biol. Abstr. 52(9):5295(52477), 1971.

*V.M. Zhdanov, F.I. Ershov, Yu. V. Chernetsov, and
A.F. Bykovskii.

PIL

VESICULAR EXANTHEMA OF SWINE

DANIEL, M.D., and MELENDEZ, L.V.

Pathogenicity studies in rabbits, hamsters, mice
and embryonated eggs with Herpes T virus
variants.

Arch. Gesamte Virusforsch. 32(1):45-52, 1970.

PIL

PETERSON, J.E., and STUDDERT, M.J.

Feline picornavirus. Structure of the virus
and electron microscopic observations on
infected cell cultures.

Arch. Gesamte Virusforsch. 32(2-3):249-260, 1970.

PIL

VESICULAR STOMATITIS VIRUS

ARMSTRONG, J.A.

Semi-micro, dye-binding assay for rabbit interferon.

Appl. Microbiol. 21(4):723-725, 1971.

PIL

BARAHONA, H.H., and MELENDEZ, L.V.

Herpesvirus saimiri: in vitro sensitivity to virus-induced interferon and to polyribonucleosinic acid: polyribocytidylic acid.

Proc. Soc. Exp. Biol. Med. 136(4):1163-1167, 1971.

PIL

BISHOP, D.H.L., and ROY, P.

Kinetics of RNA synthesis by vesicular stomatitis virus particles.

J. Mol. Biol. 57(3):513-527, 1971.

PIL

CARTER, W.A., and others.*

Comparative production of interferon by human fetal, neonatal, and maternal cells.

Infect. Immun. 3(5):671-677, 1971.

*K.R. Hande, B. Essien, E. Prochownik, and M.M. Kaback.

PIL

DE MAEYER, E., FAUVE, R.M., and DE MAEYER-GUIGNARD, J.

Production d'interferon au niveau du macrophage.

(Production of interferon at the level of the macrophage.)

English summary, p. 438.

Ann. Inst. Pasteur (Paris) 120(3):438-446, 1971.

PIL

FIELD, A.K., and others.*

Induction of interferon in human subjects by poly I:C.

Proc. Soc. Exp. Biol. Med. 136(4):1180-1186, 1971.

*C.W. Young, I.H. Krakoff, A.A. Tytell, G.P. Lampson, M.M. Nemes, and M.R. Hilleman.

PIL

FINTER, N.B.

Interferons: therapeutic prospects.

In: Mod. Trends Med. Virol. 2:262-283, ed. by R.B. Heath, and A.P. Waterson. New York, Appleton-Century-Crofts, vii, 320 p., illus., 1970.

QR 360 M4

FLAMAND, A., and PRINGLE, C.R.

The homologies of spontaneous and induced temperature-sensitive mutants of vesicular stomatitis virus isolated in chick embryo and BHK 21 cells.

J. Gen. Virol. 11(2):81-85, 1971.

PIL

FLOYD, R., and others.*

Studies on the growth of herpes simplex virus in lymphoblastoid cells.

Acta Virol. 15(2):133-142, 1971.

*R. Glasser, V. Vonka, and M. Benyesh-Melnick.

PIL

VESICULAR STOMATITIS VIRUS

GOTTLIEB-STEMATSKY, T., and VANSOVER, A.

Interferon induction in hamster embryo cells
and newborn hamsters infected with polyoma
virus.

Arch. Gesamte Virusforsch. 32(2-3):201-208, 1970.

PIL

HARGREAVES, F.D., and LEACH, R.H.

The influence of mycoplasma infection on the
sensitivity of HeLa cells for growth of
viruses.

J. Med. Microbiol. 3(2):259-265, 1970.

PIL

KOSEL, B., and KOHLHAGE, H.

Effects of actinomycin on in vivo and in vitro
formation of endogenous rabbit pyrogen induced
with myxoviruses or stimulated with endotoxin.

Arch. Gesamte Virusforsch. 32(2-3):209-220, 1970.

PIL

ORLOVA, T.G., and YERYOMKINA, E.I.

Interferonogenicity and other properties of
partially inactivated influenza virus.

Acta Virol. 15(2):126-132, 1971.

PIL

TRAINER, D.O., and HOFF, G.L.

Serologic evidence of arbovirus activity in a
moose population in Alberta.

J. Wildl. Dis. 7(2):118-119, 1971.

PIL

WILLIAMS, J.F., and others.*

Isolation of temperature-sensitive mutants of
adenovirus type 5.

J. Gen. Virol. 11(2):95-101, 1971.

*M. Gharpure, S. Ustacelebi, and S. McDonald.

PIL

VISNA DISEASE

KOPROWSKI, H.

Cell fusion and virus rescue.

Fed. Proc. 30(3, Part 1):914-920, 1971.

PIL

NAKAJIMA, H., TANAKA, S., and USHIMI, C.

Physicochemical studies of equine infectious
anemia virus. IV. Determination of the
nucleic acid type in the virus.

Arch. Gesamte Virusforsch. 31(3-4):273-280, 1970.

PIL

MISCELLANEOUS

ARMITAGE, P.

A note on the safety testing of vaccines.

J. Hyg. (Camb.) 69(1):95-97, 1971.

PIL

BARBER, T.L., and FABRICANT, J.

Identification of Mycoplasmatales: characterization
procedures.

Appl. Microbiol. 21(4):600-605, 1971.

PIL &
#7306

MISCELLANEOUS

- BILLIAU, A., MUYEMBE, J.J., and DE SOMER, P.
Effect of chlorite-oxidized oxyamylose on
influenza virus infection in mice.
Appl. Microbiol. 21(4):580-584, 1971. PIL
- CHRAMBACH, A., and RODBARD, D.
Polyacrylamide gel electrophoresis.
Science (Wash.) 172(3982):440-451, 1971. PIL
- DIANZANI, F., and others.*
Mechanisms of DEAE-dextran enhancement of
polynucleotide induction of interferon.
Proc. Soc. Exp. Biol. Med. 136(4):1111-1114, 1971.
*S. Baron, C.E. Buckler, and H.B. Levy. PIL
- EDWARDS, J.G., and CAMPBELL, J.A.
The aggregation of trypsinized BHK21 cells.
J. Cell Sci. 8(1):53-71, 1971. PIL
- ENGLER, R., and KEAIRNES, P.
Effect of the purification of virus antigens on
the production of specific complement-fixing
antibodies.
Appl. Microbiol. 21(4):653-656, 1971. PIL
- HARTWELL, W.V. MAYNARD, J.E., and BERQUIST, K.R.
Sensitive matrix gel diffusion test for the
detection of Australia antigen.
Appl. Microbiol. 21(4):623-625, 1971. PIL
- JATON, J.-C., and others.*
Variation in the primary structure of antibodies
during the course of immunization.
Biochemistry 10(9):1583-1587, 1971.
*M.D. Waterfield, M.N. Margolies, K.J. Bloch,
and E. Haber. PIL
- OXFORD, J.S., and others.*
Inactivation of influenza and other viruses by a
mixture of virucidal compounds.
Appl. Microbiol. 21(4):606-610, 1971.
*C.W. Potter, C. McLaren, and W. Hardy. PIL
- PAN, I.C., and others.*
Glomerulonephritis in aleutian disease of
mink: ultrastructural studies.
J. Pathol. 102(1):33-40, 14 figs., 1970.
*K.S. Tsai, I. Grinyer, and L. Karstad. PIL
- VOGT, H.-J., OEHLSCHLAEGEL, G., and MEIEREWERT, H.
Hand-foot-mouth xanthema.
Munch. Med. Wochenschr. 113:734-738, 1971.
J. Am. Med. Assoc. 216(8):1378, 1971. PIL
- WALLIS, C., MELNICK, J.L., and FIELDS, J.E.
Concentration and purification of viruses by adsorption
to and elution from insoluble polyelectrolytes.
Appl. Microbiol. 21(4):703-709, 1971. PIL

